

Commonwealth of Virginia

Department of Environmental Quality



Solid Waste Managed in Virginia During Calendar Year 2011



June 2012

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Solid Waste Managed in Virginia During Calendar Year 2011

EXECUTIVE SUMMARY

Section 10.1-1413.1 of the Code of Virginia requires the Department of Environmental Quality (Department or DEQ) to prepare a report by June 30 of each year describing the amount of solid waste disposed of in the Commonwealth during the preceding calendar year. Facilities that have solid waste management permits are required to provide the Department with information to prepare this report. As of May 1, 2012, 208 permitted facilities and three facilities with an emergency permit (EMG) provided information on their activities for calendar year 2011 for this report.

Based on the facilities' reports (excluding the EMGs), a total of 20,726,738.89 tons of solid waste was received at Virginia's permitted solid waste management facilities during calendar year 2011. Of this total, 15,158,379.23 tons originated in the Commonwealth and 5,568,359.66 tons originated from other jurisdictions.

Municipal solid waste (MSW) constituted 12,446,310.05 tons of the total amount of solid waste received during calendar year 2011. Of the total MSW received, 8,607,927.33 tons originated in the Commonwealth and 3,838,382.72 tons originated from other jurisdictions.

Five jurisdictions accounted for 97.10% of all waste received from out-of-state sources: Maryland (39.95%); New York (27.63%); Washington, D.C. (20.59%); New Jersey (4.47%); and North Carolina (4.46%).

During calendar year 2011, the total solid waste and Construction/Demolition/Debris (CDD) waste received from out-of-state increased by 0.34%, and 10.36% respectively, compared to 2010 amounts; the total MSW from out-of-state decreased by 4.70%. Waste originating in Virginia during the same period, the total solid waste and CDD waste received increased by 7.08% and 19.00% respectively and MSW decreased by 3.33% compared to 2010 amounts.

Of the solid waste managed in Virginia during the year (excluding the three EMG reports), 74.52% or 12,877,404.99 tons was landfilled on-site, 12.28% or 2,121,714.53 tons was incinerated on-site, and the rest was managed by other means (see Table 3). Of all solid waste received at Virginia facilities during the year, 60.05% was MSW, 18.38% was CDD waste, and the remainder was other types of waste.

Permitted solid waste management facilities reported that 7.51% of the waste they managed was diverted from disposal by recycling or mulching; 1.21% of the total waste managed was composted. Most recycling occurs at facilities other than permitted waste management facilities. Local governments provide more complete information on the recycling of waste generated in Virginia. For more detailed information about recycling rates in Virginia see the Calendar Year 2010 Virginia Annual Recycling Rate Report at <http://www.deq.virginia.gov/Programs/LandProtectionRevitalization/RecyclingandLitterPreventionPrograms.aspx>. A report on the statewide recycling rate for calendar year 2011 will be issued later this year.

Permitted facilities were required to report on their available capacity and the expected life of the facilities based on current disposal rates. This information shows that at current rates, the remaining available landfill capacity is as follows: MSW – 20.6 years; CDD – 16.7 years; and non-captive industrial – 5.5 years. These projections do not account for population increases, changes in waste generation, or the closing of older MSW disposal units pursuant to statute.

At the option of the facility owner, Va. Code§10.1-1413.1 provides that the data collected may include an accounting of the facility’s economic benefits to the locality where the facility is located. Seven facilities provided such information for calendar year 2011.

The Department received three reports from the Town of Pulaski, and the Counties of Pulaski and Washington pursuant to their EMG permits to handle storm debris.

Solid Waste Managed in Virginia During Calendar Year 2011

I. Introduction

This report has been prepared in accordance with Virginia Code § 10.1-1413.1, which requires the Department to prepare a report by June 30 of each year describing the amount of solid waste disposed of in the Commonwealth during the preceding calendar year. All permitted facilities (except for captive waste management facilities) that treat, store, or dispose of solid waste are required to provide the Department with information in their possession as is reasonably necessary for the Department to prepare this report. The statutory reporting requirements are set forth in the Virginia Administrative Code, 9VAC20-81-80.

II. Reporting Procedures

For each category of solid waste, permitted solid waste facilities in Virginia were asked to report the amount of waste that they received, the method by which the waste was managed, the jurisdiction where the waste originated, if known, and the facility's remaining capacity. A copy of the reporting table for furnishing information to the Department is provided as Attachment 1.

The facilities identified amounts of solid waste by each of the following categories:

- municipal solid waste (MSW);
- construction/demolition/debris (CDD);
- industrial waste;
- regulated medical waste (RMW);
- vegetative and yard waste (VW/YW);
- incineration ash;
- sludge other than land applied in accordance with Va. Code §62.1-44.19:3;
- tires;
- white goods (e.g., refrigerators, washing machines);
- friable asbestos;
- petroleum-contaminated soil (PCS); and
- other waste.

The facilities also reported on each of the following methods of waste management:

- recycled on-site;
- composted on-site;
- landfilled on-site;
- incinerated on-site;
- sent off-site to be recycled;

- sent off-site to be treated, stored or disposed (TSD);
- stored on-site at the beginning of the reporting period;
- stored on-site at the end of the reporting period;
- mulched; and
- other.

Facilities submit this data on-line or by hard copy to the appropriate DEQ Regional Office. Facilities may log on-line at the Virginia Solid Waste Information and Assessment (SWIA) webpage to submit data at <https://node.deq.virginia.gov/SWIAWebApp/login.jsp>. For the facilities that provided information, 18.96% (37 facilities and three Emergency Permits) submitted hard copies and 81.04% (171 facilities) submitted the information on-line.

This report does not capture the waste management activities from captive waste management facilities because they are statutorily exempt from the reporting requirements. A captive facility is one that is located on property owned or controlled by the generator of the waste. Most captive waste management facilities in Virginia are industrial landfills or regulated medical waste facilities. As a result, the reported amounts of industrial waste, regulated medical waste and sludge represent only the portion that is managed in off-site facilities. In addition, this report does not reflect tires managed under the Waste Tire Trust Fund at facilities that do not require a permit. Emergency permits were issued in 2011 to the Town of Pulaski and the Counties of Pulaski and Washington to manage storm debris waste. Information regarding the debris is treated separately in this report and addressed in Part VII, unless otherwise indicated.

Permitted solid waste management facilities reported that 7.51% of the waste they managed was diverted from disposal by recycling or mulching; 1.21% (209,849.33 tons) of the total waste managed was composted. Most recycling occurs at facilities other than permitted waste management facilities. Local governments provide more complete information on the recycling of waste generated in Virginia. For more detailed information about recycling rates in Virginia see the *Calendar Year 2010 Virginia Annual Recycling Rate Report* at: <http://www.deq.virginia.gov/Programs/LandProtectionRevitalization/RecyclingandLitterPreventionPrograms.aspx>. A report on the statewide recycling rate for calendar year 2011 will be issued later this year.

III. Receipt of Assessment Reports

By regulation, facilities must submit their reportable data by March 31 each year. Facilities are required to submit a separate reporting table for each jurisdiction from which they received waste during the prior year. Information from reporting tables received on or before May 1, 2012 has been included in this report.¹ Two hundred eight permitted facilities reported on their activities for calendar year 2011. Last year, 205 facilities reported on their activities for calendar year 2010. For a list of the facilities reporting this year, see Attachment 2. These facilities submitted 349 separate reporting tables,

¹ One facility submitted a revised report after May 1, 2012. This report does not reflect the revised information provided by this facility.

representing waste received from 28 states and jurisdictions (including Virginia and Washington, D.C.).

IV. Discussion of Reported Waste Management Activities

Table 1 summarizes the quantities of waste that facilities received and managed during calendar year 2011 by waste type and waste management method. As shown in the table, 20,726,738.89 tons of solid waste was received at Virginia's permitted solid waste management facilities during calendar year 2011. Municipal solid waste (MSW) constituted 12,446,310.05 tons of the total amount of solid waste received.²

The column of Table 1 entitled "Landfilled On-Site" indicates the quantity of solid waste disposed of at permitted solid waste landfills in the Commonwealth during calendar year 2011. The amount of solid waste landfilled during the year was 12,877,404.99 tons. This is an increase of 3.71% from the 12,416,468.52 tons landfilled in calendar year 2010. The other columns of Table 1 indicate the quantity of waste managed by other methods.

Table 2 shows the quantities of solid wastes imported from outside Virginia. Five jurisdictions accounted for 97.10% of all waste received from out-of-state sources: Maryland (39.95%); New York (27.63%); Washington, D.C. (20.59%); New Jersey (4.47%); and North Carolina (4.46%). Also see Table 5.

Table 3 shows the percentage of each method of solid waste management used. Based on the management methods included in Table 3, the majority of solid waste managed in the Commonwealth during the year was landfilled on-site (74.52%) or incinerated (12.28%). Lesser amounts were reported as managed by recycling on-site and off-site (5.76%), mulched (1.76%), composted on-site (1.21%), stored on-site at the end of the year (1.55%), or other methods (2.92%). Waste that was stored at the facilities at the beginning of the year (263,156.36 tons) and waste that was sent off-site for treatment, storage, or disposal (4,288,250.87 tons) is not included in Table 3 or in the basis for calculating percentages for Figure 1. Accounting for those two exceptions, the basis for these percentages of waste managed is 17,279,695.12 tons. Waste stored on-site at the beginning of the year is similar to waste received and is not considered a management method. Waste that was simply sent off-site to another permitted Virginia facility for treatment storage or disposal would also be included in the receiving facility's reporting tables.

Table 4 shows the composition of the solid waste stream. Of all the solid waste received at Virginia facilities in calendar year 2011, 60.05% was MSW, 18.38% was CDD waste, and the remainder was other types of waste. These include industrial waste (6.36%), other waste (4.57%), incineration ash (3.95%), vegetative/yard waste (2.72%), and sludge (2.67%).

² When referring to information from Table 1, "waste received" refers to information from the first column, and "waste managed" refers to information from the remaining columns (except as noted). The amount of waste "received" for each type of waste may not match the sum of the reported amounts identified for each method of waste management. This reflects information as submitted by facilities in the reporting tables. In particular, incinerators may properly include the ash that they generate as waste that is "sent off site," and not include it as waste that is "received" at that facility.

Table 5 shows the total quantity of waste received from the top five individual out-of-state jurisdictions. See Table 2 for details on waste received from out-of-state jurisdictions.

Figure 1 compares the amount of waste received at facilities from out-of-state jurisdictions to the amount received from Virginia during calendar year 2011. Of the total amount of solid waste received (20,726,738.89 tons), approximately 15,158,379.23 tons originated in the Commonwealth, and 5,568,359.66 tons originated from other jurisdictions. Thus, of all the waste received at Virginia facilities in 2011, 26.87% originated from other jurisdictions. Of the total MSW received (12,446,310.05 tons), approximately 8,607,927.33 tons originated in the Commonwealth, and 3,838,382.72 tons originated from other jurisdictions. Of the total CDD received (3,808,955.82 tons), approximately 3,076,167.70 tons originated in the Commonwealth, and about 732,788.12 tons originated from other jurisdictions.

Figure 2 shows a comparison of total solid waste received from 2005 through 2011 from both Virginia and out-of-state sources. Figure 3 shows the same comparison for MSW. The total amount of solid waste received at facilities during 2011 increased by 5.18% (1,021,321.67 tons) over 2010 amounts. For out-of-state sources during calendar year 2011, the total waste increased 0.34% (18,899.55 tons), MSW decreased by 4.70% (189,222.44 tons), and CDD increased by 10.36% (68,808.18 tons) from 2010. For Virginia sources during the same period, the total waste increased 7.08% (1,002,422.12 tons), MSW decreased by 3.33% (296,378.89 tons), and CDD increased by 19.00% (491,106.91 tons). This report does not reflect the amount of solid waste exported from Virginia to other states. The Department regulates only the treatment, storage, and disposal of solid waste within the Commonwealth. Virginia facilities and waste generators are not required to submit information on the amount of solid waste exported to other states.

V. Capacity Information

Permitted facilities that treat, store, or dispose of solid waste are required to report the available capacity, expected life, and current disposal rates. This information is summarized in Attachment 3.³ MSW landfills reported a total available capacity of 215,913,484.61 tons and a current disposal rate of 10,498,948.77 tons per year. Thus, at the current disposal rate, there would be approximately 20.6 years of available MSW landfill capacity in the Commonwealth. This calculation does not account for population changes, changes in waste generation, or the future closings of older MSW disposal units under Va. Code § 10.1-1413.2. Nor does it include facilities that have not been built and are not accepting waste for which permits may have been issued. Last year, it was reported that there were approximately 20.3 years of remaining MSW disposal capacity.

CDD landfills reported a total available capacity of 35,357,532.60 tons and a current disposal rate of 2,121,978.30 tons per year. At the current disposal rate, there would be

³ Facilities report available capacity in cubic yards. The available capacity is estimated using the following conversion factors: 1000 lbs. of MSW = 1 cu. yd.; 1200 lbs. of CDD waste = 1 cu. yd., and 1000 lbs. of industrial waste = 1 cu. yd. The available capacity for individual facilities may vary, depending on factors such as a facility's compaction rate and use of daily cover materials. The last column in Attachment 3 sets forth the reported remaining life as estimated by individual facilities.

approximately 16.7 years of available CDD landfill capacity in the Commonwealth. Last year, it was reported that there were approximately 20.5 years of remaining CDD disposal capacity.

Non-captive industrial landfills reported 1,407,410.99 tons of available capacity and a current disposal rate of 255,659.92 tons per year (approximately 5.5 years of remaining capacity). Last year, it was reported that there were approximately 7.1 years remaining capacity for non-captive industrial facilities.

VI. Reports of Economic Benefits

At the option of the facility owner, Va. Code § 10.1-1413.1 provides that the data collected may include an accounting of the facility's economic benefits to the locality where the facility is located. This may include the value of disposal and recycling facilities provided to the locality at no cost or reduced cost, direct employment associated with the facility, and other economic benefits resulting from the facility during the preceding calendar year. Seven facilities provided such information for calendar year 2011. See Attachment 4 for details.

VII. Emergency Permit Nos. 450, 451 and 452

In 2011, the Department issued three emergency permits: EMG450 to the Town of Pulaski, EMG451 to the County of Pulaski, and EMG452 to the County of Washington to handle tornado storm debris. The Town of Pulaski reported that 737.20 tons of CDD waste were sent off-site to be treated, stored, or disposed; 1,105.79 tons of vegetative/yard waste was collected; 105.79 tons were sent off-site to be treated, stored, or disposed and 1,000 tons were mulched. The County of Pulaski reported that 22.6 tons of MSW and 997.6 tons of vegetative/yard waste were sent off-site to be treated, stored, or disposed. The County of Washington reported that 5,890 tons of Construction/Demolition/Debris waste was sent off-site to be treated, stored, or disposed.

Table 1 – Solid Waste Managed in Virginia – 2011 (in Tons)

Waste Type	Total Waste Received ⁴	Recycled Onsite ⁵	Landfilled Onsite	Composted Onsite	Incinerated Onsite	Recycled Offsite	TSD Offsite	Stored On-site Beginning of Year	Stored On-site End of Year	Mulched	Other ⁶
Municipal Solid Waste	12,446,310.05	20,731.08	7,503,125.37	2,986.37	2,113,223.62	159,595.60	2,611,714.46	12,589.85	32,981.65	14,412.20	132.10
Construction/Demolition/Debris	3,808,955.82	159,442.81	2,884,568.81	0.00	0.00	116,471.52	592,121.10	21,796.61	44,079.19	9,489.03	24,593.00
Industrial Waste	1,318,120.20	0.00	1,132,947.22	7,150.00	7,442.60	4,582.87	59,142.30	130,018.00	70,825.00	0.00	166,048.11
Regulated Medical Waste	6,852.33	0.00	0.00	0.00	0.00	0.00	894.10	0.00	0.00	0.00	5,958.23
Vegetative/Yard Waste	563,867.66	7,586.00	38,115.00	138,711.04	1,026.00	36,093.73	10,854.65	65,714.67	104,528.71	277,429.24	15,511.08
Incineration Ash	818,368.39	0.00	654,661.41	0.00	0.00	32,010.33	544,204.88	0.00	0.00	0.00	160,787.95
Sludge	552,548.72	8,939.85	472,031.89	59,934.87	0.00	4,610.00	5,825.49	0.00	0.00	0.00	1,207.01
Tires	72,447.93	23,214.46	1,075.61	0.00	8.00	37,819.86	6,036.23	16,118.90	2,331.09	0.00	5,491.05
White Goods	18,865.15	0.00	0.00	0.00	0.00	18,724.96	156.00	177.92	162.11	0.00	0.00
Friable Asbestos	8,384.77	0.00	8,362.13	0.00	0.00	0.00	17.56	0.00	5.08	0.00	0.00
Petroleum Contaminated Soil	164,337.02	0.00	108,664.52	0.00	0.00	39,199.00	154.47	11,074.99	10,777.78	0.00	16,616.24
Other Waste	947,680.83	120,160.57	73,853.04	1,067.05	14.31	205,385.57	457,129.63	5,665.42	2,568.40	2,286.98	107,936.83
Total	20,726,738.89	340,074.77	12,877,404.99	209,849.33	2,121,714.53	654,493.44	4,288,250.87	263,156.36	268,259.01	303,617.45	504,281.60

⁴ The amount of “Waste Received” and “Stored On-Site at the Beginning of the Year” may not precisely match the sum of the reported amounts for the remaining columns (i.e., each method of managing the waste). This difference reflects information submitted in the reporting tables. In particular, incineration ash generated by an energy recovery facility or incinerator may be listed as “sent off site to be treated, stored, or disposed” even though it was not “received” as ash at that facility. The total waste managed may be greater than the waste received due to ash generated at a facility. VW/YW may be composted to produce a product that is not managed as waste.

⁵ The majority of recycling takes place at facilities that do not require a permit from the Department and were not required to submit data for this report. Therefore, the amounts shown in this column represent a substantial underestimate of the true recycling rate in the Commonwealth. A report on the statewide recycling rate for calendar year 2011 will be issued later this year. See the Calendar Year 2010 Virginia Annual Recycling Rate Report at <http://www.deq.virginia.gov/Programs/LandProtectionRevitalization/RecyclingandLitterPreventionPrograms.aspx>.

⁶ “Other” methods of management may include steam sterilization of medical waste, approved use of shredded tires at permitted facilities, and thermal treatment of PCS, among others.

Table 2 – Jurisdiction of Origin of Waste Received – 2011 (in Tons)

State/ Possession	MSW	CDD	Industrial	RMW	VW/YW	Incin. Ash	Sludge	Tires	White Goods	Friable Asbestos	PCS	Other Waste	Total Received
California	0.00	0.00	11.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.64
Colorado	0.00	0.00	39.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.93
Connecticut	15,066.00	179.00	1,029.96	0.00	0.00	0.00	4,252.89	0.00	0.00	0.00	0.00	0.00	20,527.85
District of Columbia	882,965.27	226,300.68	10,843.78	0.00	637.00	0.00	19,515.86	9.96	3.00	1,859.39	2,046.66	2,333.71	1,146,515.31
Delaware	91.99	7,040.49	6,057.16	0.00	0.00	0.00	8,698.37	0.00	0.00	0.00	0.00	21.19	21,909.20
Florida	0.00	0.00	100.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.06
Georgia	0.00	0.00	66.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.75	91.08
Indiana	0.00	0.00	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.10
Kentucky	0.00	0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.80
Louisiana	0.00	0.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.40
Massachusetts	4,961.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,961.00
Maryland	1,265,777.64	451,340.51	187,167.22	256.60	771.00	224,065.11	32,043.79	486.99	4.00	1,286.98	17,959.29	43,432.44	2,224,591.57
Missouri	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.56
Mississippi	0.00	0.00	363.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	363.31
North Carolina	89,657.97	1,973.00	141,358.29	62.00	0.00	0.00	14.84	0.00	0.00	5.61	10,218.98	5,219.91	248,510.60
New Jersey	118,005.81	318.64	63,855.93	0.00	0.00	0.00	60,545.92	0.00	0.00	0.00	107.96	6,107.55	248,941.81
New York	1,376,367.26	35,226.00	6,393.15	0.00	0.00	0.00	120,320.70	0.00	0.00	0.00	0.80	0.00	1,538,307.91
Ohio	0.00	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.29	19.38	26.33
Pennsylvania	5,495.62	6,174.86	2,176.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.20	1,980.51	15,837.04
Puerto Rico	0.00	0.00	111.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.60
South Carolina	0.00	0.00	1,288.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.74	1,373.31
Tennessee	47,202.61	3,748.77	120.54	10.70	563.98	0.00	170.55	354.66	1.05	0.00	0.00	90.38	52,263.24
Texas	0.00	0.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.20
Virgin Islands	0.00	0.00	23.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.09
Vermont	0.00	0.00	260.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	260.56
West Virginia	32,730.73	486.17	0.00	94.60	0.00	0.00	0.00	0.00	0.00	17.12	0.00	43.17	33,371.79
Miscellaneous*	60.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,128.55	10,189.37
*Waste received from Canada, Mexico, throughout the United States, Central America, and South America													
Total from Other States	3,838,382.72	732,788.12	421,300.13	423.90	1,971.98	224,065.11	245,562.92	851.61	8.05	3,169.10	30,349.18	69,486.84	5,568,359.66
Total from Virginia	8,607,927.33	3,076,167.70	896,820.08	6,428.43	561,895.68	594,303.28	306,985.80	71,596.32	18,857.10	5,215.67	133,987.84	878,193.99	15,158,379.23
Total from All States	12,446,310.05	3,808,955.82	1,318,120.20	6,852.33	563,867.66	818,368.39	552,548.72	72,447.93	18,865.15	8,384.77	164,337.02	947,680.83	20,726,738.89

Table 3 – Methods of Solid Waste Management – 2011 (in Tons)

Methods of Solid Waste Management		
	Amount Managed (in Tons)	Percentage
Landfilled On-Site	12,877,404.99	74.52%
Incinerated On-Site	2,121,714.53	12.28%
Sent Off-Site to be Recycled	654,493.44	3.79%
Other	504,281.60	2.92%
Recycled On-Site	340,074.77	1.97%
Mulched	303,617.45	1.76%
Stored On-Site End of Year	268,259.01	1.55%
Composted On-Site	209,849.33	1.21%
Waste Management Total	17,279,695.12	

Note: The basis for determining these percentages is the sum for all methods of waste management (recycled, composted, landfilled, etc.) in Table 1, with the exception of: (1) waste stored on-site at the beginning of the year (which is similar to waste received) and (2) waste that was sent off-site for treatment, storage or disposal (i.e., waste that was simply transferred to another facility for ultimate management). Accounting for those two exceptions, the basis for these percentages is 17,279,695.12 tons. Most recycling occurs at facilities other than permitted waste management facilities.

See the Calendar Year 2010 Virginia Annual Recycling Rate Report at

<http://www.deq.virginia.gov/Programs/LandProtectionRevitalization/RecyclingandLitterPreventionPrograms.aspx>. A report on the statewide recycling rate for calendar year 2011 will be issued later this year.

Table 4 – Composition of the Solid Waste Stream – 2011 (in Tons)

Composition of the Solid Waste Stream		
	Amount (in Tons)	Percentage
Municipal Solid Waste	12,446,310.05	60.05%
Construction/Demolition/Debris	3,808,955.82	18.38%
Industrial Waste	1,318,120.20	6.36%
Other Waste	947,680.83	4.57%
Incineration Ash	818,368.39	3.95%
Vegetative/Yard Waste	563,867.66	2.72%
Sludge	552,548.72	2.67%
Petroleum Contaminated Soil	164,337.02	0.79%
Tires	72,447.93	0.35%
White Goods	18,865.15	0.09%
Friable Asbestos	8,384.77	0.04%
Regulated Medical Waste	6,852.33	0.03%
Total	20,726,738.87	

Table 5 – Waste Received from Out-of-State Jurisdictions – 2011 (in Tons)

Top 5 States		
State	Tons	Percentage
Maryland	2,224,591.57	39.95%
New York	1,538,307.91	27.63%
District of Columbia	1,146,515.31	20.59%
New Jersey	248,941.81	4.47%
North Carolina	248,510.60	4.46%
Total	5,406,867.20	97.10%

Note: See Table 2 for more details.

Figure 1 – Solid Waste Received from Virginia and Other Jurisdictions – 2011 (in Tons)

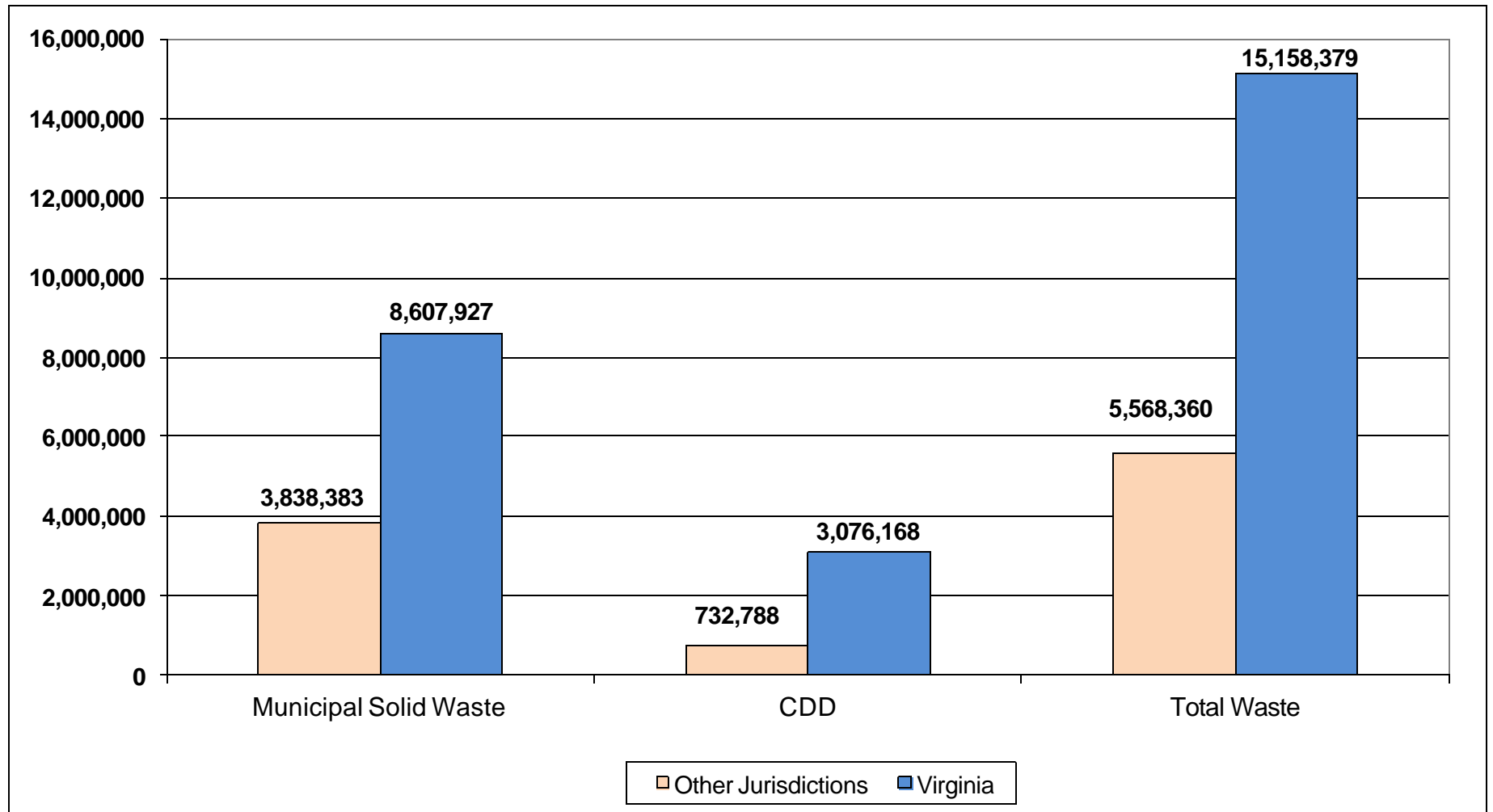


Figure 2 – Total Solid Waste Received from 2005 through 2011

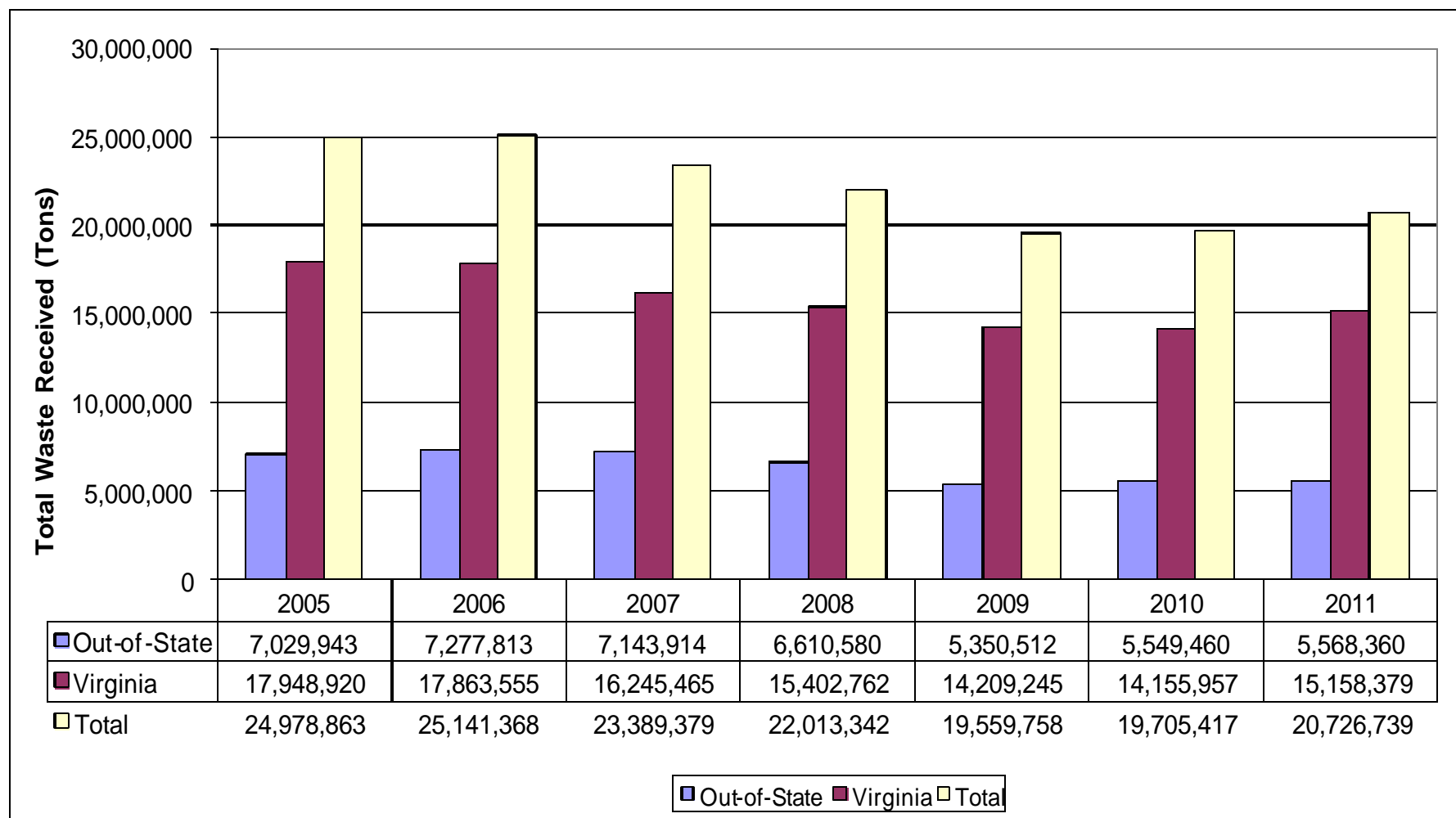
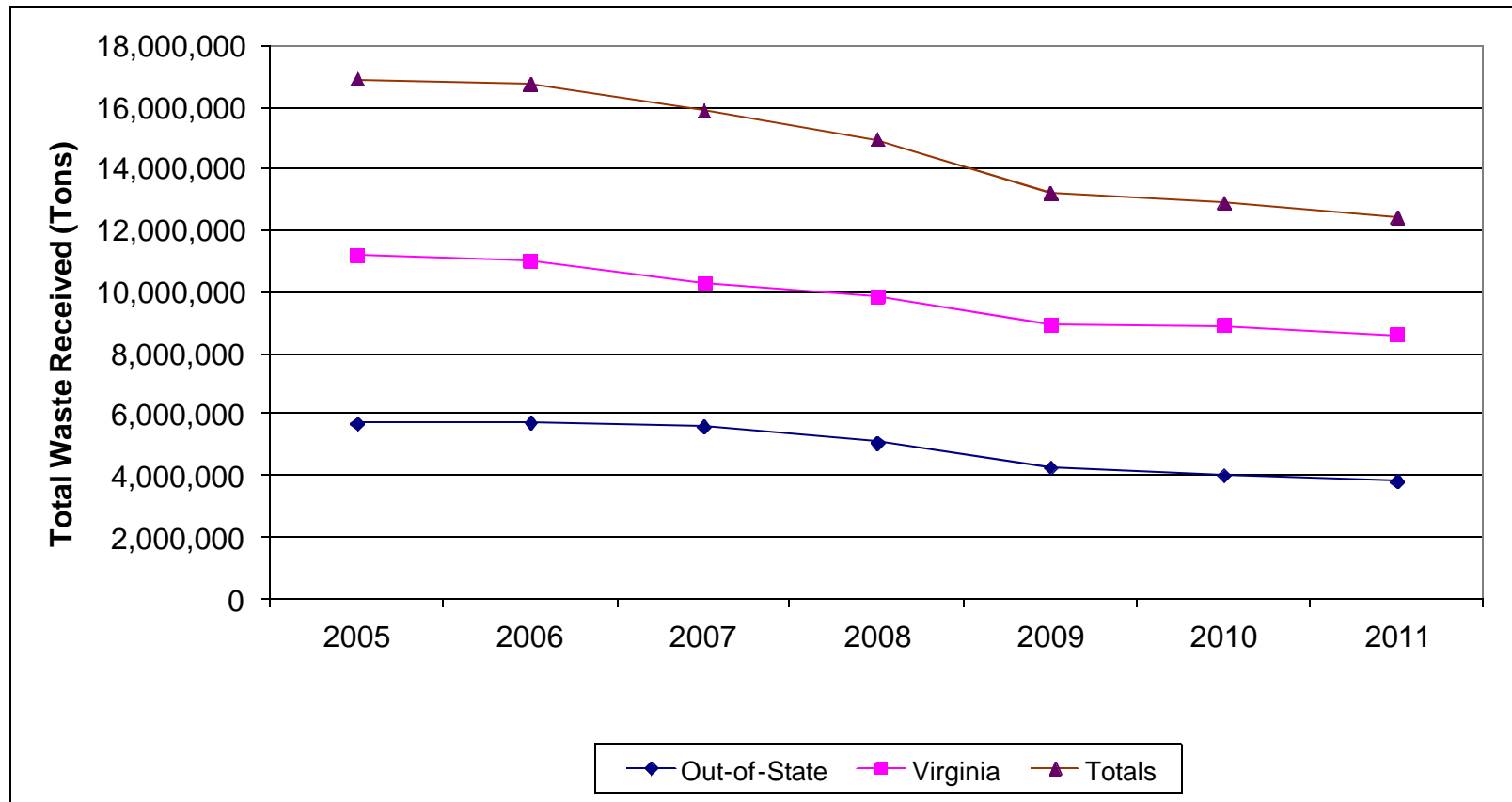


Figure 3 – Municipal Solid Waste Received from 2005 through 2011



Attachment 1 – Reporting Table

SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25

1	Facility Name				
2	Permit Number	3 Date Submitted to DEQ			4 Annual Reporting Period
5	Preparer's First Name	Middle Initial	Last Name		6 Telephone
7	Preparer's E-mail Address				
8	Has there been a change to the Annual Fee Billing Contact, Address or Telephone Number? <input type="checkbox"/> Yes <input type="checkbox"/> No				
	Contact First Name	Last Name		Contact Phone	
	Address		E-Mail		
	City	State	Zip Code		
9A	Remaining Permitted Capacity	Cubic Yards	If a facility's permitted capacity is reported in tons, please note this below in Facility Comments. DEQ will apply conversion factors based on the type of waste in order to calculate the volume and the number of years of permitted capacity available in the state.		
9B	Expected Remaining Permitted Life	Years			
10	Does facility have active scales? <input type="checkbox"/> Yes or <input type="checkbox"/> No Note: facilities with no active scales must enter the total amount landfilled in cubic yards.				Total amount landfilled in cubic yards
11	Originating Jurisdiction			11A Statement of Economic Benefits submitted? <input type="checkbox"/> Yes or <input type="checkbox"/> No	
12	Facilities landfilling VA incineration ash			Use the supplemental form to provide the facility from which ash was received and the amount.	

Waste amounts measured in : ☐ Tons or ☐ Cubic Yards

Waste Type	Total Amount of Waste Received (a)	Recycled On-Site (b)	Composted On-site (c)	Landfilled On-site (d)	Incinerated On-Site (e)	Sent Off-Site to be: (f)		Stored On-Site:(g)		Other (h)	
						Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period	Mulched	Other Than Mulched
13	Municipal Solid Waste										
14	Construction/ Demolition/Debris										
15	Industrial Waste										
16	Regulated Medical Waste										
17	Vegetative/Yard Waste										
18	Incineration Ash										
19	Sludge										
20	Tires										
21	White Goods										
22	Friable Asbestos										
23	Petroleum Contaminated Soil										
24	Other Wastes (specify)										
25	Total										

Facility Comments

Complete a separate form for each jurisdiction.
See the instructions for completing Form DEQ 50-25. A separate form is provided for the optional Statement of Economic Benefits.

Revised 12/01/2011

Page 2 SUPPLEMENTAL SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25

Only those facilities that landfill Virginia incineration ash provide this information.

[illegible]

Facility Comments

<p>Facilities should use the same units of measure (Cubic Yards or Tons) for Rows 12 - 24. Facilities that do not landfill VA incineration ash do not complete this supplemental form. See the instructions for completing Form DEQ 50-25.</p>	<p>Revised 12/01/2011</p>

Note: Facilities submit data on-line or send a hard copy to the appropriate DEQ Regional Office. Facilities may log on-line at the Virginia Solid Waste Information and Assessment (SWIA) page to submit data at <https://node.deq.virginia.gov/SWIAWebApp/login.jsp>. Instructions and program information may be viewed at <http://www.deq.state.va.us/Programs/LandProtectionRevitalization/SolidHazardousWasteRegulatoryPrograms/SolidWaste/SolidWasteInformationandAssessmentProgram.aspx>.

Attachment 2 – List of Facilities Reporting – 2011

Facility Name	Permit Number	Region
623 Landfill	PBR009	PRO
623 Landfill	SWP506	PRO
AMRF Incorporated	PBR544	NRO
Accomack County - Northern Landfill 2	PBR112	TRO
Accomack County - Northern Landfill 2	SWP461	TRO
Accomack County - Southern Landfill	SWP091	TRO
Accomack County - Southern Landfill	PBR090	TRO
Alleghany County - Transfer Station	PBR103	BRRO
Amherst County Landfill Permit Number 563	SWP563	BRRO
Aqua Clean Environmental of Virginia	PBR052	PRO
Arlington County - Department of Human Services	PBR206	NRO
Ashcake Road Landfill, Inc.	SWP574	PRO
Atlantic Waste Disposal Inc - Sussex County Land	SWP562	PRO
Augusta Regional Landfill	SWP585	VRO
BFI Fredericksburg Recyclery	PBR107	NRO
BFI King and Queen Landfill	SWP554	PRO
BFI Old Dominion Landfill	SWP553	PRO
BFI Transfer - Fluvanna Transcyclery	PBR099	VRO
BFI Waste Systems LLC - Roanoke	PBR105	BRRO
Bath County of - Transfer Station	PBR045	VRO
Battle Creek Landfill	SWP579	VRO
Bay Disposal & Recycling	PBR588	TRO
Bay Disposal Incorporated MRF	PBR504	TRO
Bedford City - Hylton Site	PBR529	BRRO
Bedford City - Hylton Site	SWP569	BRRO
Bedford County - Sanitary Landfill	SWP560	BRRO
Bedford County - Transfer Station	PBR031	BRRO
Black Bear Composting	PBR589	VRO
Blue Ridge Disposal Incorporated	PBR104	BRRO
Boissevain Transfer Station	PBR004	SWRO
Botetourt County Landfill	SWP582	BRRO
Bristol City Yard Waste Composting Facility	PBR525	SWRO
Bristol Solid Waste Management Facility	SWP498	SWRO
Bristol Solid Waste Management Facility	PBR116	SWRO
Bristol Solid Waste Management Facility	PBR074	SWRO
Bristol Solid Waste Management Facility	SWP588	SWRO
Bristol Solid Waste Management Facility	PBR121	SWRO

List of Facilities Reporting – 2011

Facility Name	Permit Number	Region
Broad Run Recycling	PBR536	NRO
Brunswick Waste Management Facility LLC	SWP583	PRO
Buchanan County - Transfer Station	PBR106	SWRO
Bull Hill Transfer Station	PBR029	SWRO
C3RS Incorporated	PBR560	NRO
CFP Limited Liability Corporation	PBR521	NRO
Campbell County Landfill	SWP285	BRRO
Carroll Grayson Galax Regional Landfill	SWP508	SWRO
Carroll Grayson Galax Regional Landfill 2	SWP605	SWRO
Cedar Bluff Transfer Station	PBR002	SWRO
Centerville Turnpike CDD Landfill	SWP603	TRO
City of Harrisonburg - Resource Recovery Facility	PBR513	VRO
Clearfield MMG, Inc. - Chesapeake	PBR510	TRO
Clearfield MMG, Inc. - Suffolk	PBR155	TRO
Con Serv Industries	PBR102	NRO
Country South LLC - CDD Landfill	SWP581	BRRO
Covanta Alexandria Arlington Incorporated	PBR551	NRO
Covanta Fairfax Incorporated	PBR545	NRO
Covington City - Peters Mountain Landfill	SWP594	BRRO
Craig County - Transfer Station	PBR508	BRRO
DOC Powhatan Correctional Center	PBR175	PRO
Danville City of - Yard Waste Composting Facility	PBR010	BRRO
Darbytown Road Landfill	SWP525	PRO
Dickenson County of - Waste Transfer Station	PBR049	SWRO
East End Landfill	SWP524	PRO
Emanuel Tire of Virginia	PBR547	BRRO
Environmental Options Inc	PBR153	BRRO
Fauquier County CDD MRF	PBR528	NRO
Fauquier County Solid Waste Management Facility	SWP575	NRO
Fauquier County Solid Waste Management Facility	SWP149	NRO
Federal Mogul Products Inc - Winchester	SWP527	VRO
First Piedmont Corp	SWP065	BRRO
First Piedmont Corp	PBR196	BRRO
First Piedmont Corp - Martinsville TS	PBR520	BRRO
Floyd County - Transfer Station	PBR050	BRRO
Franklin County - Sanitary Landfill	SWP072	BRRO
Frederick County Landfill	SWP591	VRO
Frederick County Landfill	SWP529	VRO

List of Facilities Reporting – 2011

Facility Name	Permit Number	Region
Green Earth Materials Recovery Facility	PBR549	VRO
Green Zone Investments, LLC	PBR556	PRO
Greene County Transfer Station	PBR509	VRO
Greensville County Landfill	SWP405	PRO
Halifax County Transfer Station Facility	PBR539	BRRO
Hampton City - NASA Steam Plant	SWP297	TRO
Hanover County - 301 Solid Waste Facility	PBR189	PRO
Hanover County - 301 Solid Waste Facility	PBR512	PRO
Harborton Solid Waste Receiving Facility	PBR527	TRO
Harold Beasley Inc	PBR198	BRRO
Henrico County DPU Springfield Rd Waste Management	SWP545	PRO
Higgerson Buchanan Incorporated	SWP493	TRO
Hilltop Sand and Gravel Company Incorporated	SWP326	NRO
Industrial Resource Technologies Incorporated	PBR115	PRO
Interstate 66 - Solid Waste Management Facility	PBR555	NRO
Interstate 95 Landfill	SWP103	NRO
Ivy Materials Utilization Center	PBR132	VRO
J and E Recycling Materials Recovery Facility	PBR537	NRO
James City County Transfer Station	PBR021	TRO
John C Holland Enterprises, Inc.	SWP280	TRO
Kerkim Inc. dba SDI Materials Recovery Facility	PBR516	PRO
King George Landfill & Recycling Center	SWP586	NRO
LCM Corp - Transfer Station	PBR136	BRRO
Laurel Valley Center- Culpeper County	PBR140	NRO
Lee County of - Solid Waste Transfer Station	PBR070	SWRO
Lorton CDD Landfill	SWP331	NRO
Loudoun Composting	PBR141	NRO
Loudoun County Sanitary Landfill	SWP001	NRO
Louisa County Sanitary Landfill	SWP194	NRO
Lunenburg County of - Sanitary Landfill	SWP544	BRRO
MXI Environmental Services LLC	PBR180	SWRO
Madison County Landfill and Transfer Station	PBR154	NRO
Map Tech Compost Facility	PBR526	SWRO
Maplewood Recycling and Waste Disposal	SWP540	PRO
Mary Washington Hospital	PBR120	NRO
Microbac Laboratories Incorporated	PBR505	NRO
Middle Peninsula Landfill	SWP572	PRO
Middle Peninsula Landfill	PBR125	PRO

List of Facilities Reporting – 2011

Facility Name	Permit Number	Region
Montgomery Regional Solid Waste Authority	PBR559	BRRO
Montgomery Regional Solid Waste Authority	PBR149	BRRO
Nelson County Landfill	PBR051	VRO
New River Resource Authority Solid Waste Facility	SWP548	BRRO
New River Tire Recycling - Hillsville	PBR573	SWRO
Newport News City - Yard Waste Compost Fac No 1	PBR096	TRO
Northampton County - Transfer Station	PBR540	TRO
Nottoway County of-Sanitary Landfill-Blackstone	SWP304	BRRO
Orange County Sanitary Landfill	SWP090	NRO
Patrick Co - Solid Waste Transfer Station	PBR032	BRRO
Pittsylvania Co - Sanitary Landfill	SWP571	BRRO
Poplar Manor Enterprises LLC	PBR553	BRRO
Port Tobacco at Weanack	PBR507	PRO
Portsmouth City - Craney Island Landfill	SWP041	TRO
Potomac CDD Landfill	SWP441	NRO
Potomac Landfill Incorporated CDD MRF	PBR101	NRO
Prince Edward County Sanitary Landfill	SWP584	BRRO
Prince William County - Balls Ford Yard Waste	PBR030	NRO
Prince William County Sanitary Landfill	SWP029	NRO
Purgo Incorporated	PBR046	PRO
Rainwater Landfill	SWP327	NRO
Rappahannock Regional Solid Waste Management Board	SWP589	NRO
Reclamation Incorporated	PBR062	TRO
Recycling and Disposal Solutions of Virginia (RDS)	PBR558	TRO
Region 2000 Services Authority - Concord Tpke	SWP558	BRRO
Resource Management Group LLC	PBR565	BRRO
Richmond City of Hopkins Road Transfer Station	PBR160	PRO
Roanoke Valley Resource Authority Transfer Station	SWP546	BRRO
Rockbridge County Landfill	PBR071	VRO
Rockbridge County Landfill	SWP075	VRO
Rockingham County of - Sanitary Landfill	SWP062	VRO
Royal Oak Farm Solid Waste Composting Facility	SWP601	BRRO
Russell County of - Solid Waste Transfer Station	PBR001	SWRO
S. B. Cox Recycling Center MRF	PBR546	PRO
S. B. Cox Yorktown Recycling Center	PBR572	TRO
SPSA - Boykins Transfer	SWP484	TRO
SPSA - Chesapeake Transfer	PBR194	TRO
SPSA - Franklin Transfer Station	PBR192	TRO

List of Facilities Reporting – 2011

Facility Name	Permit Number	Region
SPSA - Isle Of Wight Transfer Station	PBR193	TRO
SPSA - Ivor Transfer Station	SWP539	TRO
SPSA - Landstown Transfer	PBR191	TRO
SPSA - Norfolk Transfer Station	PBR195	TRO
SPSA - Oceana Transfer Station	PBR190	TRO
SPSA - Regional Landfill	SWP417	TRO
SPSA - Regional Landfill	PBR518	TRO
SPSA - Regional Landfill	PBR072	TRO
SRPSA - Butcher Creek Sanitary Landfill	SWP598	BRRO
Salem City - New Transfer Station	PBR501	BRRO
Scott County Transfer Station	PBR548	SWRO
Shenandoah County Landfill - Edinburg	SWP469	VRO
Shoosmith Sanitary Landfill	SWP587	PRO
Shoosmith Sanitary Landfill	PBR571	PRO
Smith Gap Regional Landfill	SWP555	BRRO
Smyth County of - Transfer Station	PBR041	SWRO
Spivey Disposal LLC	PBR533	TRO
Spotsylvania County Livingston Sanitary Landfill	SWP547	NRO
Stericycle Chesterfield RMW Transfer Station	PBR517	PRO
TFC Recycling	PBR568	TRO
Taylor Road Landfill	SWP270	PRO
Tazewell County Landfill	SWP564	SWRO
The Sustainability Park LLC	PBR543	PRO
The Sustainability Park LLC	PBR532	PRO
Thomas Brothers Debris Landfill	SWP445	BRRO
Tidewater Green Corporation	PBR554	TRO
Tri City Regional Disposal and Recycling Services	SWP228	PRO
US Army - Fort Belvoir	PBR164	NRO
US Central Intelligence Agency - George Bush Cntr	PBR173	NRO
US Department of Defense - Pentagon	PBR197	NRO
US Navy - Norfolk Naval Shipyard	PBR135	TRO
USA Waste of Virginia Landfills - Bethel	SWP580	TRO
United Disposal Incorporated	PBR522	TRO
VPPSA - YWCF - York County	PBR013	TRO
Virginia Beach City - Landfill No 2	SWP398	TRO
Virginia Health Care Waste Transportation Inc	PBR143	BRRO
Virginia Materials Incorporated - Norfolk	PBR117	TRO
Virginia Recycling Corporation	PBR039	PRO

List of Facilities Reporting – 2011

Facility Name	Permit Number	Region
W and N Material Recovery Facility	PBR563	NRO
Warren County - Transfer Station	PBR033	VRO
Washington County Solid Waste Landfill	PBR003	SWRO
Waste Industries LLC	PBR077	TRO
Waste Management Charles City Landfill	SWP531	PRO
Waste Management of Virginia - Leesburg	PBR006	NRO
Waste Management of Virginia - Manassas	PBR091	NRO
Waste Management of Virginia - Merrifield	PBR111	NRO
Waste Management of Virginia - Sterling	PBR093	NRO
Waterway Marine Terminal	PBR506	TRO
Watkins Nurseries Incorporated	PBR181	PRO
Westmoreland County of - Montross Transfer Station	PBR069	PRO
Wheelabrator Portsmouth Inc - Waste to Energy Facility	PBR500	TRO
Wise County Blackwood Transfer Station	PBR524	SWRO
Wise County of - Landfill	SWP513	SWRO
Wythe/Bland Solid Waste Transfer Station	PBR044	SWRO
York County Transfer Station	PBR022	TRO
Zion Crssrds Recyclig Ctr dba van der Linde Rcycl	PBR531	VRO
Zion Crssrds Recyclig Ctr dba van der Linde Rcycl	PBR561	VRO

Total Count: 208

Regional Offices

BRRO - Blue Ridge

NRO - Northern Virginia

PRO - Piedmont

SWRO - Southwest

TRO- Tidewater

VRO - Valley

Attachment 3 – Capacity/Disposal Rate Detail for Virginia Landfills – 2011

MSW

	Facility Name	Permit Number	Landfill Type	12/11 Capacity in Tons	Landfilled in 2011 (Tons)	Expected Remaining Life (Yrs)
	MSW Landfill					
1	Accomack County - Northern Landfill 2	SWP461	MSW	157,018.00	17,741.00	8.7
2	Accomack County - Southern Landfill	SWP091	MSW	76,199.50	18,801.75	6
3	Amherst County Landfill Permit Number 563	SWP563	MSW	476,064.85	19,743.97	28.93
4	Atlantic Waste Disposal Inc - Sussex County Land	SWP562	MSW	46,034,913.00	1,749,481.93	42.30
5	Augusta Regional Landfill	SWP585	MSW	4,720,014.00	107,264.04	37.8
6	BFI King and Queen Landfill	SWP554	MSW	10,850,800.00	703,992.40	21.7
7	BFI Old Dominion Landfill	SWP553	MSW	2,631,247.50	423,774.42	10.60
8	Battle Creek Landfill	SWP579	MSW	1,445,600.00	46,425.17	35
9	Bedford City - Hylton Site ⁷	SWP569	MSW	0.00	405.00	0
10	Bedford County - Sanitary Landfill	SWP560	MSW	327,319.00	39,802.00	10.28
11	Botetourt County Landfill	SWP582	MSW	2,641.00	883.00	4
12	Bristol Solid Waste Management Facility	SWP498	MSW	0.00	0.00	0
13	Bristol Solid Waste Management Facility	SWP588	MSW	2,526,557.00	187,375.98	24
14	Brunswick Waste Management Facility LLC	SWP583	MSW	10,505,650.00	173,619.43	113
15	Campbell County Landfill	SWP285	MSW	1,365,115.00	0.00	10.00
16	Carroll Grayson Galax Regional Landfill	SWP508	MSW	30,816.00	0.00	.5
17	Carroll Grayson Galax Regional Landfill 2	SWP605	MSW	1,421,579.00	36,292.08	36.9
18	Covington City - Peters Mountain Landfill	SWP594	MSW	412,644.50	7,987.43	52.97
19	Fauquier County Solid Waste Management Facility	SWP149	MSW	0.00	0.00	0
20	Fauquier County Solid Waste Management Facility	SWP575	MSW	535,747.00	53,840.68	9
21	Franklin County - Sanitary Landfill	SWP072	MSW	73,946.50	47,514.00	1.5
22	Frederick County Landfill	SWP529	MSW	4,879,339.50	115,093.58	38
23	Greensville County Landfill	SWP405	MSW	260,152.20	24,866.31	10.46
24	Henrico County DPU Springfield Rd Waste Management	SWP545	MSW	256,265.00	65,039.82	2.9
25	Interstate 95 Landfill	SWP103	MSW	4,641,517.50	330,772.66	33.8
26	King George Landfill & Recycling Center	SWP586	MSW	10,057,056.00	1,194,978.04	17
27	Loudoun County Sanitary Landfill	SWP001	MSW	11,528,108.50	94,030.53	60
28	Louisa County Sanitary Landfill	SWP194	MSW	36,762.00	16,400.00	2
29	Lunenburg County of - Sanitary Landfill	SWP544	MSW	199,422.95	15,787.70	1
30	Maplewood Recycling and Waste Disposal	SWP540	MSW	15,981,750.00	536,300.43	73.8

⁷ SWP569 has remaining capacity and life, but the facility report did not include this information.

Attachment 3 – Capacity/Disposal Rate Detail for Virginia Landfills – 2011

MSW Landfill						
31	Middle Peninsula Landfill	SWP572	MSW	16,050,800.00	280,645.97	92.50
32	New River Resource Authority Solid Waste Facility	SWP548	MSW	260,035.00	107,643.30	1.9
33	Nottoway County of-Sanitary Landfill-Blackstone	SWP304	MSW	348,509.32	18,889.37	14
34	Orange County Sanitary Landfill	SWP090	MSW	145,776.44	22,824.87	.75
35	Pittsylvania Co - Sanitary Landfill	SWP571	MSW	1,209,935.00	41,216.57	24
36	Prince Edward County Sanitary Landfill	SWP584	MSW	54,783.50	26,348.98	4
37	Prince William County Sanitary Landfill	SWP029	MSW	3,400,219.50	311,274.00	14
38	Rappahannock Regional Solid Waste Management Board	SWP589	MSW	80,000.00	96,008.00	0.8
39	Region 2000 Services Authority - Concord Tpke	SWP558	MSW	138,977.50	214,950.53	1
40	Rockbridge County Landfill	SWP075	MSW	65,000.00	38,942.86	3
41	Rockingham County of - Sanitary Landfill	SWP062	MSW	406,254.50	83,964.95	5.6
42	SPSA - Regional Landfill	SWP417	MSW	2,709,858.00	186,308.00	21
43	SRPSA - Butcher Creek Sanitary Landfill	SWP598	MSW	2,815,952.66	61,098.92	35
44	Shenandoah County Landfill - Edinburg	SWP469	MSW	2,272,258.50	41,914.00	35
45	Shoosmith Sanitary Landfill	SWP587	MSW	9,000,000.00	1,298,811.00	14
46	Smith Gap Regional Landfill	SWP555	MSW	4,743,979.50	143,614.21	38
47	Spotsylvania County Livingston Sanitary Landfill	SWP547	MSW	762,710.00	40,064.00	16.4
48	Tazewell County Landfill	SWP564	MSW	983,645.00	58,863.50	16
49	Tri City Regional Disposal and Recycling Services	SWP228	MSW	268,250.00	110,802.66	3
50	USA Waste of Virginia Landfills - Bethel	SWP580	MSW	22,909,701.50	546,808.06	86.50
51	Virginia Beach City - Landfill No 2	SWP398	MSW	1,491,669.50	142,914.00	11
52	Waste Management Charles City Landfill	SWP531	MSW	14,280,209.50	545,845.84	59
53	Wise County of - Landfill	SWP513	MSW	80,714.20	50,981.83	2
TOTAL				215,913,484.61	10,498,948.77	

Attachment 3 – Capacity/Disposal Rate Detail for Virginia Landfills – 2011

CDD

	Facility Name	Permit Number	LF Type	12/11 Capacity in Tons	Landfilled in 2011 (Tons)	Expected Remaining Life (Yrs)
CDD Landfills						
1	623 Landfill	SWP506	CDD	9,300,000.00	208,899.00	34
2	Ashcake Road Landfill, Inc.	SWP574	CDD	650,820.60	43,800.00	18
3	Centerville Turnpike CDD Landfill	SWP603	CDD	2,611,977.00	108,374.87	17.5
4	Country South LLC - CDD Landfill	SWP581	CDD	1,479,156.00	8,623.00	255
5	Darbytown Road Landfill	SWP525	CDD	0.00	82,275.03	0
6	East End Landfill	SWP524	CDD	0.00	0.00	0
7	Frederick County Landfill	SWP591	CDD	2,380,609.80	23,956.00	50
8	Higgerson Buchanan Incorporated	SWP493	CDD	37,140.00	0.00	1
9	Hilltop Sand and Gravel Company Incorporated	SWP326	CDD	102,924.00	76,524.00	1
10	Lorton CDD Landfill	SWP331	CDD	5,711,659.20	1,183,348.00	7
11	Portsmouth City - Craney Island Landfill	SWP041	CDD	1,743,343.20	64,870.30	40
12	Potomac CDD Landfill	SWP441	CDD	807,646.80	62,607.90	20
13	Rainwater Landfill	SWP327	CDD	454,765.20	29,365.20	19
14	Taylor Road Landfill	SWP270	CDD	10,077,370.80	229,329.60	67
15	Thomas Brothers Debris Landfill	SWP445	CDD	120.00	5.40	0.5
	TOTAL			35,357,532.60	2,121,978.30	

Non-Captive Industrial Landfills

1	First Piedmont Corp	SWP065	Industrial	144,420.99	93,856.92	1.69
2	John C Holland Enterprises, Inc.	SWP280	Industrial	1,262,990.00	161,803.00	21.6
	TOTAL			1,407,410.99	255,659.92	

Summary of Remaining Capacity and Remaining Life

Facility Type	Number of Facility Type	Reported Available Capacity on 12/31/2011	Reported Annual Disposal Rate 2011	Remaining Capacity (Years)
MSW (Sanitary) Landfills	53	215,913,484.61	10,498,948.77	20.6
CDD Landfills	15	35,357,532.60	2,121,978.30	16.7
Non-Captive Industrial Landfills	2	1,407,410.99	255,659.92	5.5

Attachment 4 – Data Provided by Facilities Regarding Economic Benefits

Virginia Code § 10.1-1413.1.B provides that facility owners may provide “an accounting of the facility’s economic benefits to the locality where the facility is located including the value of disposal and recycling facilities provided to the locality at no cost or reduced cost, direct employment associated with the facility, and other economic benefits resulting from the facility during the preceding calendar year.” The information presented below is for the 2011 calendar year.

Waste Management of Virginia operates the following six solid waste management facilities for which they reported economic benefit information: Amelia (Amelia Landfill), Charles City (Charles City Landfill), King George (King George Landfill), Sussex (Atlantic Waste Disposal Landfill), Hampton (Bethel Landfill) and Gloucester (Middle Peninsula Landfill). Waste Management of Virginia reported the following economic benefits for the facilities listed above:

Amelia (Amelia Landfill):

- Host fees of \$1,602,641;
- Free disposal and recycling costs to localities of \$291,764; and
- Local/State taxes of \$144,999.

Charles City (Charles City Landfill):

- Host fees of \$2,754,802;
- Free disposal and recycling costs to localities of \$155,516 and
- Local/State taxes of \$123,906.

King George (King George Landfill):

- Host fees of \$6,513,420;
- Free disposal and recycling costs to localities of \$407,405; and
- Local/State taxes of \$175,690.

Sussex (Atlantic Waste Disposal Landfill):

- Host fees of \$6,541,330;
- Free disposal and recycling costs to localities of \$269,403; and
- Local/State taxes of \$317,194.

Hampton (Bethel Landfill):

- Host fees of \$939,602 and
- Local/State taxes of \$120,494.

Gloucester (Middle Peninsula Landfill):

- Host fees of \$479,399;
- Free disposal and recycling costs to localities of \$549,356; and
- Local/State taxes of \$89,905.

One other solid waste management facility reported economic benefit information.

Loudoun County (Loudoun County Sanitary Landfill) reported the following benefits to Loudoun County:

- Free or reduced cost disposal and recycling totaling \$1,143,718; fees waived for VDOT, public schools, local governments and non-profit organizations; and
- Direct employment associated with the facility of \$1,137,983.